CAPS,
Pest Detection
and the Future

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APHIS

Mission:

"To protect the health and value of American agriculture and natural resources"

APHIS Strategic Priorities

- Enhance nationally coordinated surveillance program
- Expand offshore risk reduction activities
- Expand wildlife disease and invasive species research programs
- Target areas for improved collaboration
- Enhance risk analysis capabilities and system

CAPS

Cooperative

Agricultural

Pest

Survey

What is CAPS?
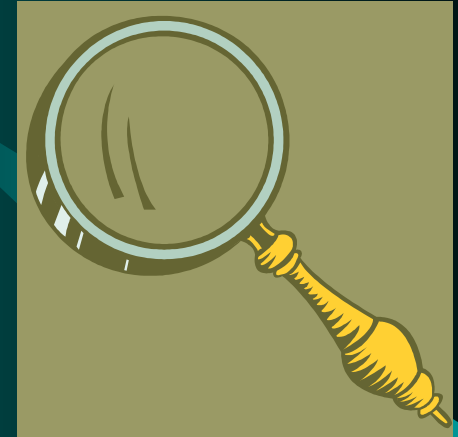
❖ Combined cooperative effort

❖ Federal and State organizations

❖ Survey for plant pests, bio-control organisms and weeds

Emerald Ash Borer

CAPS Components

- Field surveys
- Laboratory identification
- State & project databases
- National database (NAPIS)
- Electronic information exchange
- Strong interagency relationships

NAPIS

National Agricultural Pest Information System

http://ceris.purdue.edu/napis

Where we are now

Major points:

- Rebuilding second line of defense with people devoted to this activity.

- Restructuring of CAPS system and Guidance from the 3-tiered system

- Core funding to provide framework for pest detection goals.

Emerald Ash Borer

Funding

- FY 2002- approx. $6 mil
- FY 2003 – approx. $21mil
- FY 2004 - $21 mil base
- FY 2005 – up to $42-45 mil
- Beyond: $100 mil

Leek moth

Where we are now

- Remaining PPQ Pest Detection specialist positions to be announced and filled.
- Identifier positions classified and need to be announced and filled.
- Restructuring of CAPS complete
- Emphasis on the importance of early detection

Where we are now

- Use of Pest lists
- New technologies
- Invasive Species Council
- NPDN collaboration with CSREES

Progress being made

- Pest list prioritization
- Operational Plan for 2003, 2004 & 2005
- CAPS Guidebook *
- Training needs for PDS identified
- Volunteer Guidebook *

* Posted/will be posted soon on the internet

Progress being made (con't)

- Commodity based surveys discussion

- Look at pathways also

- Ad-Hoc members that could be added

- Discussion on the interaction with IS

CSREES Partnership

- NP2D2N = National Plant Pest and Disease Diagnostic Network
- 5 Centers
  - Michigan, New York, Florida, California and Kansas
  - NAPIS is data repository
- This is a CSREES initiative in which we are partners

Where we are going

- NAPIS expansion and updates
- Work with CPHST for survey methods, diagnostic tools
- State committees roles/responsibilities better defined so the 3-tiered system has input from all levels

NAPIS
National Agricultural Pest Information System

Where we are going

- Increase collaboration with non-traditional partners; e.g. volunteer groups

- And others who can be added eyes and ears for Pest Detection

Where we are going

- Increased *exotic* pest detection surveys across the U.S.
- Further Pest list usage (Continue to develop, refine, revise targeted pest lists)
- Continue to build infrastructure for pest detection as new $ become available
- Development of offshore pest information system
- Use survey tools such as Risk Mapping, GIS/GPS systems, pathway analyzes and pest risk analyses to further the goals of Pest Detection

Maintaining and Augmenting the System

- Need to look beyond what we've done in the past
- Need to have more eyes and ears
- Continue to make our mission known
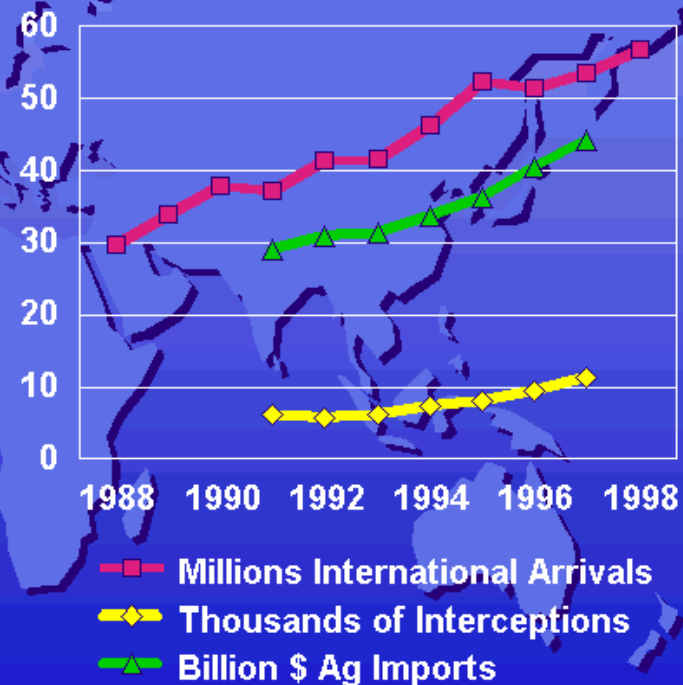- Tweaking the system

In Conclusion

Brown Marmorated Stink Bug

- Continue to work together in making the program work
- Coordinate, collaborate, communicate more in and among all 3 tiers of CAPS
- FY 2004 and beyond will be exciting and challenging years for Pest Detection and CAPS

Interception Trends

- **Interceptions, International Air Passenger Arrivals and Agricultural Imports all Trend Upwards over Time**

Legend:
- **Millions International Arrivals**
- **Thousands of Interceptions**
- **Billion $ Ag Imports**

Int'l Arrivals: PPQ WADS Data (All Arrivals)
Interceptions: PPQ-SS-NIS Data (All interceptions)
Ag Imports: FAS Global Ag Trade System (All Ag Imports)